

ABSTRACT OF THE DISCLOSURE

A system for strengthening containers in a high-speed filling operation is disclosed. The system includes a solenoid-driven injector apparatus positioned at an angle to the containers being filled. The injector apparatus includes a chamber connected via an intake line to a supply tank. A solenoid is adapted to open an injector valve, allowing liquefied gas within a chamber to forcibly flow through an outflow line into the container. The solenoid is also adapted to close the injector valve, thereby blocking the liquefied gas within the chamber from entering the outflow line. The injector apparatus also includes a heater positioned adjacent to the outflow line and an adjustment device for the injector valve.